MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

APRIL, 1942

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Printed at the American Press
Beirut, Syria

STATISTICS DIVISION

APRIL 1942

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0C Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	*8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.1	59.7	60.0	59.9	21.0	13.4	16.8	19.8	16.1	17.6
2	59.0	8.8	0.0	9.3	21.2	14.4	16.1	20.7	15.8	17.5
3	60.9	61.6	3.1	61.9	19.8	13.2	16.1	15.5	15.2	15.6
4	4.1	4.7	6.9	4.9	21.1	13.5	15.6	20.2	20.1	18.6
5	5.8	4.4	4.7	5.0	20.6	13.1	17.7	19.2	14.7	17.2
6	63.4	62.7	62.4	62.8	22.6	14.6	16.1	21.7	16.8	18.0
7	0.8	0.6	1.0	0 8	21.5	14.8	17.2	21.1	16.6	18.3
8	1.0	0.9	1.8	1.2	21.6	13.9	16.8	21.2	15.0	17.7
9	4.2	4.0	4.3	4.2	22.3	12.6	16.3	20.2	16.3	17.6
10	4.9	4.7	2.6	4.1	22.0	13.3	16.3	20.4	16.3	17.7
11	61.5	60.9	60.9	61.1	21.7	14.2	16.1	21.2	16.1	17.8
12	59.5	58.6	58.1	58.7	22.4	14.2	17.4	21.4	15.6	18.1
13	5.9	5.3	5.8	5.7	27.7	16.9	16.9	24.1	20.8	20.6
14	8.3	7.3	60.5	8.7	27.3	17.2	18.9	24.2	19.4	20.8
15	61.9	61.9	1.7	61.8	23.6	14.2	18.7	23.1	17.1	19.6
16	62.6	62.4	61.5	62.2	22.5	14.6	16.9	21.5	16.6	18.3
17	1.4	0.8	1.9	1.4	23.2	16.7	17.6	22.5	18.0	19.4
18	0.8	0.6	59.2	0.2	24.8	17.3	17.3	23.6	18.8	19.9
19	57.5	57.1	7.2	57.3	27.0	18.0	20.7	23.4	20.0	21.4
20	7.8	7.7	8.8	8.1	24.0	15.3	20.1	21.7	17.7	19.8
21	61.0	61.7	61.2	61.3	23.2	15.3	18.7	22.5	17.2	19.5
22	2.5	1.8	1.1	1.8	23.6	16.1	18.2	22.2	17.6	19.3
23	0.9	59.3	58.2	59.5	25.3	17.2	18.7	23.7	18.9	20.4
24	58.5	8.1	8.5	8.4	25.5	15.3	19.3	24.3	18.8	20.8
25	8.6	8.8	8.9	8.8	23.7	14.4	18.8	23.5	17.2	19.8
26	59.0	59.0	57.1	58.4	23.4	15.0	18.3	22.4	16.1	18.9
27	4.5	3.5	4.2	4.1	24.4	18.3	18.9	22.5	18.3	19.9
28	6.4	7.9	60.2	8.2	24.7	15.6	21.7	23.4	18.3	21.1
29	62.8	63.5	2.7	63.0	25.1	17.0	19.9	23.1	18.4	20.5
30	1.8	0.3	7.8	0.0	28.3	20.3	20.3	26.2	24.0	23.5
	60.58	60.28	60.38	60.42	23.5	15.33	17.94	22.01	17.57	19.17

Barometer, range for month 766.0 mm.—753.5 mm.
„ 62-yr. average for month 760.04 mm.
Thermometer, range for month 28.3° C.—12.6° C.
„ 62-yr. average for month 18.96° C.
Rain, total for month 5.86 mm.
„ , 62-yr. average for month 57.40 mm.
„ , total, from Sept. 1st 866.39 mm.
62-yr. average, total from Sept 1st 862.07 mm.

*Summer time

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	11.6	11.9	11.1	11.5	81	70	82	78	7.8	481.0	
2	10.9	13.1	10.4	11.5	81	72	78	77	7.4	547.2	2.29
3	11.0	12.1	10.7	11.3	81	93	84	86	2.8	384.0	3.56
4	10.4	12.9	12.6	12.0	79	73	73	75	3.2	259.2	
5	11.0	12.7	11.2	11.6	72	77	90	80	9.0	220.8	
6	11.3	13.2	12.3	12.2	83	69	90	81	8.6	267.2	
7	13.1	13.1	11.5	12.6	90	76	82	81	8.0	496.0	
8	11.5	12.9	8.9	11.1	81	69	70	73	10.0	313.6	
9	9.1	9.5	8.2	8.9	66	53	59	59	10.6	529.6	
10	8.5	11.3	11.0	10.3	62	63	80	68	10.6	262.4	
11	11.6	12.0	11.4	11.7	85	64	85	78	9.5	160.0	
12	11.2	12.3	11.3	11.6	76	65	86	76	8.2	193.6	
13	12.1	13.0	11.7	12.3	84	58	64	69	8.8	361.6	
14	13.6	14.2	11.7	13.2	84	63	69	72	1.8	556.8	
15	13.5	14.0	12.1	13.2	84	67	83	78	9.2	483.2	
16	11.6	12.7	12.1	12.1	81	66	87	78	8.9	337.6	
17	11.5	10.2	12.3	11.3	77	50	80	69	5.6	372.8	
18	10.2	13.0	13.0	12.1	70	60	80	70	0.5	342.4	
19	16.0	14.1	15.0	15.0	87	66	86	80	3.0	358.4	
20	15.4	15.1	13.4	14.6	88	78	89	85	4.4	585.6	
21	11.9	13.7	13.0	12.9	74	67	90	77	8.7	403.2	
22	12.8	14.1	13.0	13.3	83	70	87	80	9.0	419.2	
23	13.4	15.9	14.6	14.6	83	73	89	82	9.4	358.4	
24	15.1	15.3	15.3	15.2	91	68	95	85	11.6	427.2	
25	13.5	14.1	11.9	13.2	83	66	81	77	10.5	433.6	
26	11.3	12.2	11.3	11.6	73	60	83	72	8.8	428.8	
27	10.9	14.1	14.3	13.1	68	70	91	76	7.3	691.2	
28	12.6	14.2	13.5	13.4	65	66	86	72	11.9	480.0	0.01
29	12.7	14.6	13.7	13.7	73	70	87	77	12.3	392.0	
30	15.1	15.9	12.5	14.5	85	62	56	68	9.7	368.0	
31											
	12.14	13.24	12.16	12.52	79.0	67.2	81.4	75.9	8.08	397.15	0.19

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.3 m.

Time of readings minus 3 hours equals G.C.T.

62-year averages are for period, 1875-1936

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu	8cu	3cu	4.7	2sw	2sw	1sw	slight	
2	1cu	8cu	7cu	5.3	2sw	2sw	1sw	„	
3	8cu	10ni	9cu	9.0	1sw	1sw	1sw	„	
4	3cu	3cu	0	2.0	1sw	1sw	1sw	„	
5	2ci	3ci	1ci	2.0	1e	2ne	0	light	
6	0	3ci	0	1.0	1ne	1n	0	light	
7	0	1cu	7cu	2.7	1sw	2sw	1sw	„	Heavy D a.m.
8	2cu	1cu	0	1.0	2sw	2w	0	slight	
9	0	0	0	0.0	0	3nw	2n	„	
10	0	0	0	0.0	1e	1nw	1ne	light	
11	0	0	0	0.0	1w	1sw	0	calm	D a.m.
12	8cu	0	0	2.7	0	1nw	0	„	
13	6cu	1cu	0	2.3	0	1nw	1nw	„	D a.m.
14	10cu	10cu	10cu	10.0	1e	1nw	1e	light	tr. rain a.m.
15	10cu	0	0	3.3	3nw	3nw	1nw	slight	
16	0	0	0	0.0	0	1sw	1sw	slight	D a.m. & H noon
17	0	10cu	8cu	6.0	2sw	1sw	1sw	„	
18	10cu	10cu	10cu	10.0	1e	1sw	1w	„	
19	9cu	10cu	8cu	9.0	0	1ne	2sw	„	
20	10cu	9cu	2cu	7.0	1s	1sw	2sw	calm	tr. rain
21	0	1cu	1cu	0.7	2sw	3sw	0	slight	
22	10cu	0	0	3.3	1sw	1nw	0	light	
23	0	9ci	10cu	6.3	1nw	2nw	0	slight	
24	9ci	8ci	8cu	8.3	2sw	1sw	0	calm	D a.m.
25	1ci	1cu	4cu	2.0	2sw	2sw	0	slight	„ „
26	5cu	8ci	4cu 5ci	7.3	1sw	1sw	1sw	slight	
27	5cu	3cu	9cu	5.7	3n	2n	1n	„	
28	9cu	0	6cu	5.0	1sw	2sw	1w	„	
29	1ci	1ci	0	0.7	1sw	1nw	1ne	„	
30	0	8ci	7cu	5.0	0	1ne	1e	light	D & fog a.m.
				4.07					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	1	4	0	1	14	1	2	6	30
14:30	2	3	0	0	0	15	1	9	0	30
20:30	2	2	2	0	0	10	2	2	10	30
Totals	5	6	6	0	1	39	4	13	16	90

Number of days with rain 3, fog 1, thunderstorms 0, gale 0.

62 yr. av. days with rain during month 6.3 days